**Press release**

**One AZM40 for all situations**

**It couldn't be more flexible: solenoid interlock now with new functions**

**Wuppertal, 24 June 2024.** The world's smallest electronic solenoid interlock AZM40 now offers even more versatile application options with new accessories and new features. With dimensions of 119.5 x 40 x 20 mm, it is particularly suitable for small safety gates or maintenance hatches and confined installation spaces. Despite its compact design, the AZM40 achieves a remarkable locking force of 2,000 N.

With the new lockout tag, the AZM40 can now also be used for larger, accessible machines and systems. Service staff can attach a lock to the lockout tag when entering the danger zone. This means that the door of the safety guard cannot be closed, and unintentional start-up of the machine is prevented.

In addition, the new versions of the AZM40 solenoid interlock can be extended with an emergency exit or emergency release. Two different versions - with lever or push-button - are available. The lever is available both as an emergency exit and as an emergency release and can be mounted directly on the AZM40. The push button is also available as an escape release or emergency release. Its similarity to an emergency stop button makes it intuitive to operate. The emergency exit ensures that any trapped persons can free themselves from the machine area. The emergency release is used to ensure that the danger zone in a machine can be reached quickly in an emergency - e.g. in the event of a fire.

The new "inner values" of the AZM include the addition of the high degree of protection IP69 and the temperature range of -20 °C to +55 °C, which open up additional application possibilities.

Another advantage is the long service life with now 500,000 switching cycles (actuator cycles) and 1,000,000 switching cycles (locking cycles).

The bistable interlock principle of the AZM40 is also sustainable, with the advantage of permanently lower power consumption. Compared to monostable solenoid interlocks, more than 50% of the power consumption can be saved. A further advantage is the added safety: even in the event of a power failure, the safety door remains securely closed during hazardous run-on movements.

Thanks to the 180-degree angle flexibility, the actuator can approach the AZM40 continuously so that the interlock can also be used on flaps that do not close at a 90 degree angle or that open upwards at a 45 degree angle. The angle flexibility ensures that the interlock can be easily installed even in confined and difficult-to-access locations.

The AZM40 can be easily mounted on standard 40mm profiles with no overhang. For other profile system widths (20 mm, 30 mm, 45 mm, 50 mm and 60 mm), a set of two universal mounting plates can be used for the AZM40 and actuator. This ensures quick and cost effective installation for a wide range of profile system widths.

**Photo in print quality for download:**

<https://products.schmersal.com/media/images/PHO_PRO_PRE_kaz40f67_SALL_AINL_V1.jpg>

**Image caption:**

The new versions of the AZM40 solenoid interlock can be extended with an emergency exit or emergency release.

**Media contact:**

Sylvia Blömker

Tel.: + 49 202 6474- 895

sbloemker@schmersal.com

K.A. Schmersal GmbH & Co. KG

Möddinghofe 30

42279 Wuppertal, Germany

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